

MAY 05 2003

TECH CENTER



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,302C

DATE: 04/29/2003

TIME: 07:58:54

Input Set : A:\sequene listing 4-03.txt

Output Set: N:\CRF4\04292003\I673302C.raw

3 <110> APPLICANT: Millennium Pharmaceuticals, Inc.
 4 Law, Deborah Ann
 5 Phillips, David R.
 7 <120> TITLE OF INVENTION: Transgenic Mice Expressing Mutant GP IIIa (beta-3) Protein
 9 <130> FILE REFERENCE: MPI98-148P1USM
 11 <140> CURRENT APPLICATION NUMBER: US 09/673,302C
 12 <141> CURRENT FILING DATE: 2001-03-23
 14 <150> PRIOR APPLICATION NUMBER: US 60/115,516
 15 <151> PRIOR FILING DATE: 1998-04-15
 17 <150> PRIOR APPLICATION NUMBER: PCT/US99/08285
 18 <151> PRIOR FILING DATE: 1999-04-15
 20 <160> NUMBER OF SEQ ID NOS: 7
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 66
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Mus musculus
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Segment of GP IIIa beta-3 subunit
 32 <220> FEATURE:
 33 <221> NAME/KEY: Variant
 34 <222> LOCATION: (1)...(66)
 35 <223> OTHER INFORMATION: Xaa = any amino acid
 37 <220> FEATURE:
 38 <221> NAME/KEY: Variant
 39 <222> LOCATION: (41)...(48)
 40 <223> OTHER INFORMATION: This segment of any amino acids can be from
 41 zero to eight amino acids long.
 43 <220> FEATURE:
 44 <221> NAME/KEY: Variant
 45 <222> LOCATION: (56)...(66)
 46 <223> OTHER INFORMATION: This segment of any amino acids can be from
 47 zero to eleven amino acids long.
 49 <400> SEQUENCE: 1
 50 Lys Leu Leu Leu Thr Thr His Asp Arg Lys Glu Phe Ala Lys Phe Glu
 51 1 5 10 15
 53 Glu Glu Arg Ala Arg Ala Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr
 54 20 25 30
 W--> 56 Lys Glu Ala Thr Ser Thr Phe Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 57 35 40 45
 59 Asn Ile Thr Tyr Arg Gly Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 60 50 55 60
 62 Xaa Xaa

ENTERED

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63 65
66 <210> SEQ ID NO: 2
67 <211> LENGTH: 66
68 <212> TYPE: PRT
69 <213> ORGANISM: Mus musculus
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Segment of GP IIIa beta-6 subunit
74 <220> FEATURE:
75 <221> NAME/KEY: Variant
76 <222> LOCATION: (1)...(66)
77 <223> OTHER INFORMATION: Xaa = any amino acid
79 <220> FEATURE:
80 <221> NAME/KEY: Variant
81 <222> LOCATION: (41)...(48)
82 <223> OTHER INFORMATION: This segment of any amino acids can be from
83   zero to eight amino acids long.
86 <400> SEQUENCE: 2
87 Lys Leu Leu Val Ser Phe His Asp Arg Lys Glu Val Ala Lys Phe Glu
88   1           5           10          15
90 Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr
91           20           25           30
W--> 93 Arg Gly Ser Thr Ser Thr Phe Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
94           35           40           45
96 Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu Ser Thr
97           50           55           60
99 Asp Cys
100 65
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 66
105 <212> TYPE: PRT
106 <213> ORGANISM: Mus musculus
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Segment of GP IIIa beta-1 subunit
111 <220> FEATURE:
112 <221> NAME/KEY: Variant
113 <222> LOCATION: (1)...(66)
114 <223> OTHER INFORMATION: Xaa = any amino acid
116 <220> FEATURE:
117 <221> NAME/KEY: Variant
118 <222> LOCATION: (41)...(48)
119 <223> OTHER INFORMATION: This segment of any amino acids can be from
120   zero to eight amino acids long.
122 <220> FEATURE:
123 <221> NAME/KEY: Variant
124 <222> LOCATION: (56)...(66)
125 <223> OTHER INFORMATION: This segment of any amino acids can be from
126   zero to eleven amino acids long.
128 <400> SEQUENCE: 3
129 Lys Leu Leu Met Leu Ile His Asp Arg Arg Glu Glu Ala Lys Glu Glu

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```

130      1              5              10              15
132 Lys Glu Lys Met Asn Ala Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr
133              20              25              30
W--> 135 Lys Ser Ala Val Thr Thr Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa
136              35              40              45
138 Asn Pro Lys Tyr Glu Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
139              50              55              60
141 Xaa Xaa
142 65
145 <210> SEQ ID NO: 4
146 <211> LENGTH: 66
147 <212> TYPE: PRT
148 <213> ORGANISM: Mus musculus
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Segment of GP IIIa beta-5 subunit
153 <220> FEATURE:
154 <221> NAME/KEY: Variant
155 <222> LOCATION: (1)...(66)
156 <223> OTHER INFORMATION: Xaa = any amino acid
158 <220> FEATURE:
159 <221> NAME/KEY: Variant
160 <222> LOCATION: (58)...(66)
161 <223> OTHER INFORMATION: This segment of any amino acids can be from
162 zero to nine amino acids long.
164 <400> SEQUENCE: 4
165 Lys Leu Leu Val Thr Ile His Asp Arg Arg Glu Phe Ala Lys Phe Gln
166      1              5              10              15
168 Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr
169              20              25              30
171 Arg Lys Pro Ile Ser Thr His Thr Val Asp Phe Thr Phe Asn Lys Phe
172              35              40              45
W--> 174 Asn Lys Ser Tyr Asn Gly Thr Val Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa
175              50              55              60
177 Xaa Xaa
178 65
181 <210> SEQ ID NO: 5
182 <211> LENGTH: 66
183 <212> TYPE: PRT
184 <213> ORGANISM: Mus musculus
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Segment of GP IIIa beta-2 subunit
189 <220> FEATURE:
190 <221> NAME/KEY: Variant
191 <222> LOCATION: (1)...(66)
192 <223> OTHER INFORMATION: Xaa = any amino acid
194 <220> FEATURE:
195 <221> NAME/KEY: Variant
196 <222> LOCATION: (41)...(48)
197 <223> OTHER INFORMATION: This segment of any amino acids can be from

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```

198      zero to eight amino acids long.
200 <220> FEATURE:
201 <221> NAME/KEY: Variant
202 <222> LOCATION: (56)...(66)
203 <223> OTHER INFORMATION: This segment of any amino acids can be from
204      zero to eleven amino acids long.
206 <400> SEQUENCE: 5
207 Lys Ala Leu Thr His Leu Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu
208   1          5          10          15
W--> 210 Lys Glu Lys Leu Lys Ser Gln Trp Asn Asn Asp Xaa Asn Pro Leu Phe
211          20          25          30
213 Lys Ser Ala Thr Thr Thr Val Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
214          35          40          45
216 Asn Pro Lys Phe Ala Glu Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
217          50          55          60
219 Xaa Xaa
220   65
223 <210> SEQ ID NO: 6
224 <211> LENGTH: 66
225 <212> TYPE: PRT
226 <213> ORGANISM: Mus musculus
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Segment of GP IIIa beta-7 subunit
231 <220> FEATURE:
232 <221> NAME/KEY: Variant
233 <222> LOCATION: (1)...(66)
234 <223> OTHER INFORMATION: Xaa = any amino acid
236 <220> FEATURE:
237 <221> NAME/KEY: Variant
238 <222> LOCATION: (41)...(48)
239 <223> OTHER INFORMATION: This segment of any amino acids can be from
240      zero to eight amino acids long.
242 <220> FEATURE:
243 <221> NAME/KEY: Variant
244 <222> LOCATION: (61)...(66)
245 <223> OTHER INFORMATION: This segment of any amino acids can be from
246      zero to six amino acids long.
248 <400> SEQUENCE: 6
249 Arg Leu Ser Val Glu Ile Tyr Asp Arg Arg Glu Tyr Ser Arg Phe Glu
250   1          5          10          15
252 Lys Glu Gln Gln Gln Leu Asn Trp Lys Gln Asp Ser Asn Pro Leu Tyr
253          20          25          30
W--> 255 Lys Ser Ala Ile Thr Thr Thr Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
256          35          40          45
258 Asn Pro Arg Phe Gln Glu Ala Asp Ser Pro Thr Leu Xaa Xaa Xaa Xaa
259          50          55          60
261 Xaa Xaa
262   65
265 <210> SEQ ID NO: 7

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266 <211> LENGTH: 65
 267 <212> TYPE: PRT
 268 <213> ORGANISM: Artificial Sequence
 270 <220> FEATURE:
 271 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
 272 sequence for GP IIIa beta subunits
 274 <220> FEATURE:
 275 <221> NAME/KEY: Variant
 276 <222> LOCATION: (1)...(65)
 277 <223> OTHER INFORMATION: Xaa = any amino acid
 279 <220> FEATURE:
 280 <221> NAME/KEY: Variant
 281 <222> LOCATION: (41)...(48)
 282 <223> OTHER INFORMATION: This segment of any amino acids can be from
 283 zero to eight amino acids long.
 285 <220> FEATURE:
 286 <221> NAME/KEY: Variant
 287 <222> LOCATION: (56)...(65)
 288 <223> OTHER INFORMATION: This segment of any amino acids can be from
 289 zero to ten amino acids long.
 291 <400> SEQUENCE: 7
 W--> 292 Lys Leu Leu Val Xaa Ile His Asp Arg Arg Glu Phe Ala Lys Phe Glu
 293 1 5 10 15
 295 Xaa Glu Xaa Xaa Xaa Ala Xaa Trp Xaa Xaa Xaa Xaa Asn Pro Leu Tyr
 296 20 25 30
 298 Lys Xaa Ala Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 299 35 40 45
 301 Asn Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 302 50 55 60
 304 Xaa
 305 65

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 41,42,43,44,45,46,47,48,56,57,58,59,60,61,62,63,64,65,66
Seq#:2; Xaa Pos. 41,42,43,44,45,46,47,48
Seq#:3; Xaa Pos. 41,42,43,44,45,46,47,48,56,57,58,59,60,61,62,63,64,65,66
Seq#:4; Xaa Pos. 58,59,60,61,62,63,64,65,66
Seq#:5; Xaa Pos. 28,41,42,43,44,45,46,47,48,56,57,58,59,60,61,62,63,64,65
Seq#:5; Xaa Pos. 66
Seq#:6; Xaa Pos. 41,42,43,44,45,46,47,48,61,62,63,64,65,66
Seq#:7; Xaa Pos. 5,17,19,20,21,23,25,26,27,28,34,36,37,39,40,41,42,43,44,45
Seq#:7; Xaa Pos. 46,47,48,50,51,53,54,55,56,57,58,59,60,61,62,63,64,65